A comprehensive analysis on development and transition of the solar thermal market in China with more than 70% market share worldwide

A solar combi-system utilizing stable supercooling of sodium acetate trihydrate for heat storage: Numerical performance investigation

Economic analysis and optimization of combined solar district heating technologies and systems

Experimental investigations on phase separation for different heights of sodium acetate water mixtures under different conditions

Feasibility study on solar district heating in China

Large-scale solar district heating plants in Danish smart thermal grid: Developments and recent trends

Optimization of the coefficient of performance of a heat pump with an integrated storage tank – A computational fluid dynamics study

Solar water heating systems applied to highrise buildings-lessons from experiences in China

Test method for evaluating and predicting thermal performance of thermosyphon solar domestic hot water system

A comprehensive approach for modelling horizontal diffuse radiation, direct normal irradiance and total tilted solar radiation based on global radiation under Danish climate conditions

Analysis and validation of a quasi-dynamic model for a solar collector field with flat plate collectors and parabolic trough collectors in series for district heating

Combined short- and long-term heat storage with Sodium Acetate Trihydrate for solar heat supply in buildings

Combined short- and long-term heat storage with Sodium Acetate Trihydrate for solar heat supply in buildings

Combined short and long term heat storage with Sodium Acetate Trihydrate in cylindrical tanks

Crystallization by local cooling of supercooled sodium acetate trihydrate composites for long-term heat storage

Design and functionality of a segmented heat-storage prototype utilizing stable supercooling of sodium acetate trihydrate in a solar heating system

Long term measured and simulated performance of a combined solar district heating plant with flat plate collectors and parabolic trough collectors in series

Modelling of a thermally activated building system (TABS) combined with free-hanging acoustic ceiling units using computational fluid dynamics (CFD)

Thermal performance assessment and improvement of a solar domestic hot water tank with PCM in the mantle
Thermo-economic optimization of a hybrid solar district heating plant with flat plate collectors and parabolic trough collectors in series

Analysis of measured and modeled solar radiation at the tars solar heating plant in Denmark

Annual measured and simulated thermal performance analysis of a hybrid solar district heating plant with flat plate collectors and parabolic trough collectors in series

Experimental and theoretic investigations of thermal behavior of a seasonal water pit heat storage

Full Scale Measurements and CFD Investigations of a Wall Radiant Cooling System Based on Plastic Capillary Tubes in Thin Concrete Walls

Long-term PCM heat storage for a solar space heating and domestic hot water combsystem

Performance Evaluation of a Demonstration System with PCM for Seasonal Heat Storage: Charge with Evacuated Tubular Collectors

Thermal performance analysis of a solar heating plant

Development of a Performance Calculation Program for Solar Domestic Hot Water Systems with Improved Prediction of Thermal Stratification

Experimental investigations on heat content of supercooled sodium acetate trihydrate by a simple heat loss method

Experimental investigations on prototype heat storage units utilizing stable supercooling of sodium acetate trihydrate mixtures

Laboratory Testing of Solar Combi System with Compact Long Term PCM Heat Storage

Performance Analysis of a New Thermal Stratification Device for Hot Water Storage Tank Heated at the Bottom

Simulation and optimization study on a solar space heating system combined with a low temperature ASHP for single family rural residential houses in Beijing

Tårs 10000 m2 CSP + Flat Plate Solar Collector Plant - Cost-Performance Optimization of the Design

Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source

Validation of a simple dynamic thermal performance characterization model based on the piston flow concept for flat-plate solar collectors

A new Laplace transformation method for dynamic testing of solar collectors

Behavior of a solar collector loop during stagnation
Development of a hot water tank simulation program with improved prediction of thermal stratification in the tank

Drain Back Systems in Laboratory and in Practice

Full Scale Measurements and CFD Simulations of Diffuse Ceiling Inlet for Ventilation and Cooling of Densely Occupied Rooms

Laboratory test of a prototype heat storage module based on stable supercooling of sodium acetate trihydrate

Potential Analysis On Solar District Heating in China

Side by side tests of two SDHW systems with solar collectors with and without antireflection treatment

Testing, development and demonstration of large scale solar district heating systems

Thermal conductivity enhancement of sodium acetate trihydrate by adding graphite powder and the effect on stability of supercooling

Drain Back, Low Flow Solar Combi Systems
Design, Monitoring and Simulation

Investigations of Intelligent Solar Heating Systems for Single Family House

Validation of a CFD model simulating charge and discharge of a small heat storage test module based on a sodium acetate water mixture

Investigations on efficiencies of HT solar collectors for different flow rates and collector tilts

Performance analysis of a new design of office diffuse ceiling ventilation system

Solar/electric heating systems for the future energy system

An improved dynamic test method for solar collectors

Buoyancy driven flow in a hot water tank due to standby heat loss

Development of seasonal heat storage based on stable supercooling of a sodium acetate water mixture

Efficiencies of flat plate solar collectors at different flow rates

Heat storage based on a NaCH3COO water mixture for solar heating systems

Investigation of Thermal Performance of Flat Plate and Evacuated Tubular Solar Collectors According to a New Dynamic Test Method

Thermal behavior of a heat exchanger module for seasonal heat storage
Thermal performance of marketed SDHW systems under laboratory conditions

Thermal stratification in a hot water tank established by heat loss from the tank

Energy savings for solar heating systems in one family houses

Experimental studies on seasonal heat storage based on stable supercooling of a sodium acetate water mixture

Heat transfer capacity of a heat exchanger module for seasonal heat storage

Solar combisystems with forecast control to increase the solar fraction and lower the auxiliary energy cost

Solvarmeanlægs energibesparelser

Study on a tracking solar collector

CFD calculations and PIV measurements on tank-in-tank heat storage

DETAILED MODELLING OF CHARGING BEHAVIOUR OF SMART SOLAR TANKS

DETAILED MODELLING OF CHARGING BEHAVIOUR OF SMART SOLAR TANKS

Investigations on small low flow SDHW systems with different solar pumps and solar collector loops

Solar Electric heating systems using smart solar tanks and variable electricity costs

Thermal advantage of tracking solar collectors under Danish weather conditions

Towards seasonal heat storage based on stable supercooling of sodium acetate trihydrate

Efficiency and lifetime of solar collectors for solar heating plants

EFFICIENCY AND LIFETIME OF SOLAR COLLECTORS FOR SOLAR HEATING PLANTS

Levetid for solfangere i solvarmecentraler

Long term investigations of thermal performance and energy savings for a solar combi system

Solar Electric Heating for the future Energy System

Solar transmittances for glass covers with and without antireflection treatment under real climatic conditions

Thermal stratification in a hot water tank established by heat loss from the tank

Thermal stratification in a hot water tank established by heat loss from the tank
A Long Term Test of Differently Designed Evacuated Tubular Collectors

Buoyancy effects on thermal behavior of a flat-plate solar collector

CFD Study of Fluid Flow in an All-glass Evacuated Tube Solar Water Heater

Consumer Unit for Low Energy District Heating Net

Experimental investigations on small low flow SDHW systems with different solar pumps

Performance investigations of differently designed heat-pipe evacuated tubular collectors in the Arctic climate

Solar heating systems in the Arctic

TRNSYS simulation of the consumer unit for low energy district heating net

An overview of CFD and PIV application in investigation of solar thermal systems

Experimental investigations on small low flow SDHW systems based on mantle tanks

FLOW DISTRIBUTION IN A SOLAR COLLECTOR PANEL WITH HORIZONTAL ABSORBER STRIPS

Flow distribution in a solar collector panel with horizontally inclined absorber strips

Forbedret varmtvandsbeholder til små solvarmeanlæg til brugsvandsopvarmning

Heat losses through pipe connections in hot water stores

Investigation on test method for a flat plate collector

Large eddy simulations of flow instabilities in a stirred tank generated by a Rushton turbine

Lavenerghuset i Sisimiut Årsrapport for Lavenerghusets ydeevne jule 2006 til juni 2007

Multilayer fabric stratification pipes for solar tanks

Optimering og afprøvning af solfanger til solvarmecentraler

SIDE-BY-SIDE TESTS OF DIFFERENTLY DESIGNED EVACUATED TUBULAR COLLECTORS

Små ændringer af kappebeholder kan øge ydelsen af solvarmeanlæg

VALIDATION OF SIMULATION MODELS FOR DIFFERENTLY DESIGNED HEAT-PIPE EVACUATED TUBULAR COLLECTORS
Bæredygtigt arktisk byggeri i det 21. Århundrede - vakuumrørsolfangere
Statusrapport 3 til Villum Kann Rasmussen Fonden

Bæredygtigt arktisk byggeri i det 21. Århundrede - vakuumrørsolfangere
Slutrapport til Villum Kann Rasmussen Fonden

Evaluation of Test Method for Solar Collector Efficiency

Lavenergihuset i Sisimiut

Lavenergihuset i Sisimiut.
Notat om aktiviteter udført som led i KVUG-projekt: Indlejring af erfaringer fra lavenergihus i Sisimut.

The Effect of the Volume Flow rate on the Efficiency of a Solar Collector

Effektivitet og flowfordeling for HT solfangere

FLOW DISTRIBUTION IN A SOLAR COLLECTOR PANEL WITH HORIZONTAL FINS

Investigations of fabric stratifiers for solar tanks

LARGE EDDY SIMULATIONS OF THE TURBULENT FLOW IN A STIRRED TANK

A DPIV MEASUREMENT AND CFD SIMULATION OF VISCOUS FLUID FLOW IN A STIRRED TANK AGITATED BY A RUSHTON TURBINE

Digital PIV Measurement of Flow Fields in a Stirred Reactor Generated by Rushton Turbine

LARGE EDDY SIMULATIONS OF THE TURBULENT FLOW IN A STIRRED TANK

Spatio-temporal Analysis of Macro-instability in a Stirred Tank Reactor via Digital Particle Image Velocimetry (DPIV)

Spectral Analysis of the Velocity Fluctuations in a Mechanically Stirred Tank

Undersøgelse af HT solfangere med og uden teflonfolie

Scale-up of Mist Swirl Separators